

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/09141

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C1/20 C07C11/02 B01J29/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 123 449 A (MOBIL OIL CORP) 31 October 1984 (1984-10-31) claims; examples *p. 3, lines 26-30* ---	1-10
Y	DE 29 35 863 A (MOBIL OIL CORP) 13 March 1980 (1980-03-13) page 13, paragraph 1; table III claims; examples ---	1-10
A	US 4 861 938 A (LEWIS JEFFREY M O ET AL) 29 August 1989 (1989-08-29) cited in the application *the whole document* ---	1-10
A	EP 0 921 176 A (FINA RESEARCH) 9 June 1999 (1999-06-09) *the whole document* ---	1-10
-/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

10 November 2003

Date of mailing of the international search report

27/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Österle, C

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/09141

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 921 181 A (FINA RESEARCH) 9 June 1999 (1999-06-09) *the whole document* -----	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/09141

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0123449	A	31-10-1984	AU 570441 B2	17-03-1988
			AU 2595984 A	25-10-1984
			DE 3478021 D1	08-06-1989
			EP 0123449 A1	31-10-1984
			JP 3044055 B	04-07-1991
			JP 59199639 A	12-11-1984
			NO 841589 A	23-10-1984
			NZ 207523 A	14-03-1986
			US 4788377 A	29-11-1988
			ZA 8402068 A	27-11-1985
DE 2935863	A	13-03-1980	DE 2935863 A1	13-03-1980
			NZ 191302 A	19-10-1981
			US 4849573 A	18-07-1989
			ZA 7904693 A	29-04-1981
US 4861938	A	29-08-1989	CA 1310668 C	24-11-1992
			CN 1041934 A ,B	09-05-1990
			DK 527888 A	23-03-1990
			JP 1885930 C	22-11-1994
			JP 2102728 A	16-04-1990
			JP 6007928 B	02-02-1994
			NO 884170 A ,B,	21-03-1990
			ZA 8807237 A	30-05-1989
EP 0921176	A	09-06-1999	EP 0921176 A1	09-06-1999
			AT 244288 T	15-07-2003
			AU 1430299 A	28-06-1999
			WO 9929802 A1	17-06-1999
			CN 1284110 T	14-02-2001
			DE 69816114 D1	07-08-2003
			EP 1036133 A1	20-09-2000
			JP 11246869 A	14-09-1999
			TW 491889 B	21-06-2002
			ZA 9811082 A	07-06-1999
EP 0921181	A	09-06-1999	EP 0921181 A1	09-06-1999
			AU 1430699 A	28-06-1999
			WO 9929805 A1	17-06-1999
			CN 1284109 T	14-02-2001
			EP 1036136 A1	20-09-2000
			JP 11246445 A	14-09-1999
			TW 387877 B	21-04-2000
			ZA 9811080 A	03-06-1999